

Abstract:

Introduction: Curettage is one of the most common gynecological surgeries in women and pain is one of complications during curettage, which increases the incidence of complications and dissatisfaction in patients. Therefore, it is necessary to find a way to treat this complication. Therefore, the purpose of this study was to compare the effects of three methods of using lidocaine gel in the cervix, intra uterine injection of lidocaine, and a combination of two methods to reduce pain during curettage.

Materials and Method: This study was performed on 120 patients with curettage candidates (40 patients in the intra uterine lidocaine and intra-cervical gel injection and 40 patients in the uterine lidocaine injection group and 40 patients in the lidocaine gel group in the cervix). Patients were randomly assigned into three groups and drugs were prescribed before curettage and vital signs and pain were recorded in patients. Chi-square and ANOVA tests were used to compare the data.

Results: According to the results of this study, it can be concluded that intra uterine and intra cervical injection of lidocaine and administration of lidocaine intra cervical alone reduced pain significantly during curettage in women ($P = 0.04$), and on the other hand no severe hemodynamic changes were observed in these patients, and no complications such as nausea and vomiting and no instability of vital signs were observed in any of the groups. ($P > 0.05$)

Conclusion: Intrauterine administration with the addition of lidocaine gel to the cervix can be used as a simple, low-cost, and safe method as a supplement to control pain during and after curettage.

Keywords: Curettage, Pain, Lidocaine